

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF

THE DEPENDENT RESURVEY OF
A PORTION OF THE SUBDIVISIONAL LINES,

AND

THE SUBDIVISION OF SECTIONS 13, 24, AND 25,

IN

TOWNSHIP 13 SOUTH, RANGE 6 EAST,

OF THE SALT LAKE MERIDIAN
IN THE STATE OF UTAH

EXECUTED BY

Scott A. Burkhardt
Cadastral Surveyor

Under Special Instructions dated and approved ***September 8, 2014***, which provided for the surveys included under Group No. ***1279***, and Assignment Instructions dated ***September 8, 2014***.

Survey Commenced, ***September 9, 2014***
Survey Completed, ***September 17, 2014***

INDEX DIAGRAM

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TOWNSHIP 13 SOUTH, RANGE 6 EAST, SALT LAKE MERIDIAN, UTAH

The following field notes describe the dependent resurvey of a portion of the subdivisional lines, and the subdivision of sections 13, 24, and 25, in T. 13 S., R. 6 E., Salt Lake Meridian, Utah.

HISTORY OF SURVEYS

Surveyed by		Retr. or Resurveyed by	
SOUTH BOUNDARY			
All	A.J. Stewart, Jr.	1875	
Portion		A.D. Ferron	1891
Portion		J.C. Clark	1929-31
EAST BOUNDARY			
All	J.F. Smith	1876	
Portion		A.D. Ferron	1882
Portion		J.C. Clark	1929-31
WEST BOUNDARY			
All	A.D. Ferron	1891	
Remon.		F.D. Reynolds	1970
NORTH BOUNDARY			
Portion	A.D. Ferron	1882	
Portion	A.D. Ferron	1891	
Portion	J.C. Clark	1929-31	J.C. Clark 1929-31
Remon.		F.D. Reynolds	1970
SUBDIVISION			
Portion	A.D. Ferron	1882	
Portion	A.D. Ferron	1891	
Portion	J.C. Clark	1929-31	J.C. Clark 1929-31
Remon.		F.D. Reynolds	1970

PRIVATE SURVEYS

A survey represented on the "Property Survey for ARK LAND CO." was made by Bruce T.S. Ware, Utah Registered Land Surveyor No. 153834, and filed at the Carbon County Recorder's Office as Entry No. 103692 on January 14, 2004.

TOWNSHIP 13 SOUTH, RANGE 6 EAST, SALT LAKE MERIDIAN, UTAH

The survey was executed in accordance with the specifications set forth in the Manual of Surveying Instructions, 2009, and the Special Instructions for Group No. 1279, dated September 8, 2014.

The direction of each line is with reference to the true meridian, established by Global Positioning System (GPS) utilizing Real-Time Kinematic (RTK) techniques throughout the survey. The positional accuracy of this survey complies with the *Standards for the Positional Accuracy of Cadastral Surveys When Using Global Navigation Satellite Systems (GNSS)*, dated February 23, 2009. Trimble model R8 GPS receivers were used for field collection. Cadastral Automated Plat Drafting (CAPD) software was the primary software utilized for project calculations.

Preliminary to the resurvey, the lines of the prior surveys were retraced and a search was made for all corners and other calls of record. Identified corners were remonumented in their original positions. Lost corners were reestablished and remonumented at proportionate positions based on the official record. The retracement data were thoroughly verified and only the true line field notes are given herein.

Geodetic control was derived from GPS static observations, post processed by National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuously Operating Reference Stations (CORS): DH3864 P105 DELTAMUNI-UT2004 CORS ARP, AJ2124 PUC1 CARBON COUNTY COU CORS ARP, and AJ8478 MYT2 MYTON 2 CORS ARP.

The geographic position of the 1/4 section corner of sections 13 and 18, T. 13 S., Rs. 6 and 7 E., as determined by direct RTK methods from the geodetic control, is as follows:

Latitude: **39°41'22.234" N.**,
Longitude: **111°11'27.643" W.**, N.A.D. 83 (2011), EPOCH: 2010.00,
Network Accuracy = 0.200 meter at 95% confidence.

The geographic position of the 1/4 section corner of sections 25 and 36, T. 13 S., R. 6 E., as determined by direct RTK methods from the geodetic control, is as follows:

Latitude: **39°39'15.540" N.**,
Longitude: **111°12'01.425" W.**, N.A.D. 83 (2011), EPOCH: 2010.00,
Network Accuracy = 0.200 meter at 95% confidence.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
TOWNSHIP 13 SOUTH, RANGE 6 EAST, SALT LAKE MERIDIAN, UTAH

CHAINS

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 13 S., R. 6 E., Salt Lake Meridian, Utah

Reestablishment of the Surveys Executed by
A.D. Ferron in 1882 and 1891, and J.C. Clark in 1929-31;
the Dependent Resurvey by J.C. Clark in 1929-31; and the
Remonumentation by F.D. Reynolds in 1970

Beginning at the 1/4 section corner of sections 25 and 36,
monumented with an iron post, 1 inch diameter, firmly set, flush
with the ground, with brass cap marked as described in the
official record of the 1929-31 survey; with a mound of stone, 3
feet base, 1 1/2 feet high, north of the corner.

The only remaining 1930 bearing tree is dead and down.

Set a steel fencepost north of the corner.

Corner is located on a moderately-steep, southeast-facing slope.

N. 89°56.8' W., between sections 25 and 36.

20.013 Point for the W 1/16 section corner of sections 25 and 36.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 26
inches in the ground, with a magnet at base, with aluminum cap,
marked

T13S R6E

	S25
W 1/16	<hr/>
	S36

2014

Set aluminum fenceposts with survey marker signs north and east
of the corner.

Corner is located on a gentle northwest-facing slope, with
grasses, aspen, and fir trees.

40.026 The corner of sections 25, 26, 35, and 36, monumented with an
iron post, 2 inches diameter, firmly set, projecting 4 inches
above the ground, with brass cap marked as described in the
official record of the 1929-31 survey; with a steel fencepost
west of the corner.

From which the remaining 1929-31 bearing tree

A spruce, 24 inches diameter, bears S. 58 1/2° W., 197 links
distance, with healed-over blaze (Record: marked T13S R6E
S35 BT).

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
TOWNSHIP 13 SOUTH, RANGE 6 EAST, SALT LAKE MERIDIAN, UTAH

CHAINS

N. 0°09.8' W., between sections 25 and 26.

- 20.025 Point for the S 1/16 section corner of sections 25 and 26. Not monumented.
- 40.050 The 1/4 section corner of sections 25 and 26, monumented with an iron post, 1 inch diameter, firmly set, projecting 9 inches above a collar of stone, 2 feet diameter, with brass cap marked as described in the official record of the 1929-31 survey; with a steel fencepost west of the corner.

There is no remaining evidence of the 1929-31 bearing trees.

The Subdivision of Section 13,
T.13 S., R.6 E., Salt Lake Meridian, Utah

From the 1/4 section corner of sections 13 and 24, monumented with an iron post, 1 inch diameter, firmly set, projecting 2 inches above the ground, with brass cap marked as described in the official record of the 1929-31 survey.

From which the remaining 1929-31 bearing tree

A spruce, 16 inches diameter, bears N. 42 1/2° W., 7 links distance, with healed-over blaze (Record: marked 1/4 S13 BT).

N. 0°14.5' E., on the north-south centerline of section 13.

- 39.442 Point for the center 1/4 section corner of section 13, at intersection with the east-west centerline.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 27 inches in the ground, magnet at base, with aluminum cap marked

T13S R6E

C 1/4 S13

2014

Set aluminum fenceposts with survey marker signs south and north of the corner.

Corner is located on a moderately-steep, southeast-facing slope, with grasses and aspen trees.

- 78.867 The 1/4 section corner of sections 12 and 13, monumented with an iron post, 1 inch diameter, firmly set, projecting 3 inches above an embedded mound of stone, 2 feet diameter, with brass cap marked as described in the official record of the 1929-31 survey.

From which the 1929-31 bearing trees

A fir stump, 16 inches diameter, 6 feet high, bears N. 8 1/2°

THE SUBDIVISION OF SECTION 13,
TOWNSHIP 13 SOUTH, RANGE 6 EAST, SALT LAKE MERIDIAN, UTAH

CHAINS

E., 63 links distance, with partially-healed blaze
(Record: marked 1/4 S12 BT).

A fir, 19 inches diameter, bears S. 54 1/4° E., 54 links
distance, with partially-healed blaze (Record: marked 1/4
S13 BT).

Corner is located at a corner of fences, enclosure wire and 2-
strand barbed-wire, extending South and N. 70° W.

From the 1/4 section corner of sections 13 and 18, on the east
boundary of the township, monumented with an iron post, 1 inch
diameter, firmly set, projecting 8 inches above the ground, with
brass cap marked as described in the official record of the 1929-
31 survey.

From which the remaining 1929-31 bearing tree

An aspen, 13 inches diameter, bears S. 7 1/4° W., 168 links
distance, with healed-over blaze (Record: marked 1/4 S13
BT).

Corner is located on an open ridge, on a gentle south facing
slope.

S. 89°50.0' W., on the east-west centerline of section 13.

39.809 The center 1/4 section corner of section 13.

80.025 The 1/4 section corner of section 13 only, monumented with an
iron post, 1 inch diameter, firmly set but bent, projecting 1
inch above the ground, with brass cap marked as described in the
official record of the 1929-31 survey.

There is no remaining evidence of the 1929-31 bearing trees.

Corner is located on a moderately-steep, east-facing slope, with
grasses and aspen trees.

The Subdivision of Section 24,
T.13 S., R.6 E., Salt Lake Meridian, Utah

From the 1/4 section corner of sections 24 and 25, monumented
with an iron post, 1 inch diameter, firmly set but bent,
projecting 5 inches above an embedded mound of stone, 2 feet
diameter, with brass cap marked as described in the official
record of the 1929-31 survey.

From which the 1929-31 bearing trees

A dead spruce, 22 inches diameter, bears N. 18 1/2° E., 68
links distance, with partially-healed blaze (Record: 99
links, marked 1/4 S24 BT).

THE SUBDIVISION OF SECTION 24,
TOWNSHIP 13 SOUTH, RANGE 6 EAST, SALT LAKE MERIDIAN, UTAH

CHAINS

A spruce, 28 inches diameter, bears S. $38\frac{3}{4}^{\circ}$ E., 42 links distance, with healed-over blaze (Record: marked 1/4 S25 BT).

N. $0^{\circ}01.3'$ W., on the north-south centerline of section 24.

40.040 Point for the center 1/4 section corner of section 24, at intersection with the east-west centerline.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 27 inches in the ground, magnet at base, with aluminum cap marked

T13S R6E

C 1/4 S24

2014

Set aluminum fenceposts with survey marker signs north and east of the corner.

NOTE: The rebar established by Bruce T.S. Ware in 2003 was searched for but not found.

Corner is located on a moderately-steep, southeast-facing slope, with fir and aspen trees.

79.808 The 1/4 section corner of sections 13 and 24.

From the 1/4 section corner of sections 19 and 24, on the east boundary of the township, monumented with an iron post, 1 inch diameter, firmly set, projecting 5 inches above the ground, with brass cap marked as described in the official record of the 1929-31 survey.

From which the remaining 1929-31 bearing tree

An aspen, 18 inches diameter, bears N. $71\frac{1}{2}^{\circ}$ E., 100 links distance, with healed-over blaze (Record: marked 1/4 S19 BT).

S. $89^{\circ}54.2'$ W., on the east-west centerline of section 24.

37.131 A rebar, established by Bruce T.S. Ware in 2003, 5/8 inch diameter, firmly set, with plastic cap marked PLS 153834.

40.026 The center 1/4 section corner of section 24.

80.211 The 1/4 section corner of section 24 only, monumented with an iron post, 1 inch diameter, firmly set, flush with the ground, with brass cap marked as described in the official record of the 1929-31 survey.

From which the remaining 1929-31 bearing tree

A fir, 26 inches diameter, bears S. 48° E., 92 links distance, with partially-healed blaze (Record: marked 1/4 S24 BT).

THE SUBDIVISION OF SECTION 25,
TOWNSHIP 13 SOUTH, RANGE 6 EAST, SALT LAKE MERIDIAN, UTAH
CHAINS

The Subdivision of Section 25,
T. 13 S., R. 6 E., Salt Lake Meridian, Utah

From the 1/4 section corner of sections 25 and 36.

N. 0°03.9' E., on the north-south centerline of section 25.

20.022 Point for the center S 1/16 section corner of section 25.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 27 inches in the ground, magnet at base, with aluminum cap marked

T13S R6E
C
S 1/16 | S25
C
2014

Set aluminum fenceposts with survey marker signs south and west of the corner.

Corner is located on a moderately-steep, northwest-facing slope, with grasses and fir trees.

40.044 Point for the center 1/4 section corner of section 25, at intersection with the east-west centerline.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 28 inches in the ground, magnet at base, with aluminum cap marked

T13S R6E
C 1/4 S25
2014

Set aluminum fencepost with survey marker sign southeast of the corner.

Corner is located on a gentle, west-facing slope, with grasses and fir and aspen trees.

74.955 The 1/4 section corner of sections 24 and 25.

From the 1/4 section corner of section 25 only, on the east boundary of the township, monumented with an iron post, 1 inch diameter, firmly set, projecting 8 inches above the ground, with brass cap marked as described in the official record of the 1929-31 survey.

From which the 1929-31 bearing trees

THE SUBDIVISION OF SECTION 25,
TOWNSHIP 13 SOUTH, RANGE 6 EAST, SALT LAKE MERIDIAN, UTAH

CHAINS

A dead spruce, 30 inches diameter, bears S. $17\frac{1}{4}^{\circ}$ W., 52 links distance, with healed-over blaze (Record: marked 1/4 S25 BT).

A fir, 36 inches diameter, bears N. 61° W., 66 links distance, with healed-over blaze (Record: marked 1/4 S25 BT).

N. $89^{\circ}56.3'$ W., on the east-west centerline of section 25.

40.026 The center 1/4 section corner of section 25.

60.117 Point for the center W 1/16 section corner of section 25. Not monumented.

80.208 The 1/4 section corner of sections 25 and 26.

From the W 1/16 section corner of sections 25 and 36.

N. $0^{\circ}03.0'$ W., on the north-south centerline of the SW 1/4 of section 25.

20.070 Point for the SW 1/16 section corner of section 25.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 28 inches in the ground, magnet at base, with aluminum cap marked

T13S R6E
SW 1/16 S25
2014

Set aluminum posts with survey marker signs south and east of the corner.

Corner is located on a gentle, west-facing slope, above a gravel forest road to the west.

40.048 The point for the center W 1/16 section corner of section 25.

From the center S 1/16 section corner of section 25.

N. $89^{\circ}48.7'$ W., on the east-west centerline of the SW 1/4 of section 25.

20.052 The SW 1/16 section corner of section 25.

40.104 The point for the S 1/16 section corner of sections 25 and 26.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

Name	Capacity
Matthew J. Kurchinski	Cadastral Surveyor
Phil Freiberg	Survey Technician
Daniel W. Webb	Chief Cadastral Surveyor

CERTIFICATE OF SURVEY

I, *Scott A. Burkhardt, Cadastral Surveyor*, HEREBY CERTIFY upon honor, that in pursuance of Special Instructions bearing the date of the *8th day of September, 2014*, I have *dependently resurveyed a portion of the subdivisional lines, and have subdivided sections 13, 24, and 25, in Township 13 South, Range 6 East*, of the *Salt Lake Meridian*, in the State of *Utah*, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said Special Instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in specific manner described in the foregoing field notes.

June 12, 2015

Date

Scott A. Burkhardt

Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Salt Lake City, Utah

The foregoing field notes of *the dependent resurvey of a portion of the subdivisional lines, and the subdivision of sections 13, 24, and 25, in Township 13 South, Range 6 East, Salt Lake Meridian, Utah*, executed by *Scott A. Burkhardt, Cadastral Surveyor*, having been critically examined and found correct, are hereby approved.

June 16, 2015

Date

Daniel W. Webb

Chief Cadastral Surveyor for Utah